



# Ancon QwikFix Threaded Insert

## Building Product Information Sheet

Ancon QwikFix Threaded Inserts are cast-in concrete fixings comprising a steel sleeve with an internal metric thread and cross-hole. They are embedded surface-flush in the concrete. Anchorage is provided by a crossbar being fed through the cross-hole. QwikFix inserts are available in a range of lengths and thread sizes M12 to M20. Double ended inserts (FERD) are available in thread sizes M16 and M20. Durability is achieved by a zinc plated or hot-dip galvanised coating. Products are identified by reference to the fixing type, thread, length and coating (e.g. FER1296Z).

QwikFix installation is supported by a range of ancillary items, including the QwikFix Super Chair, nailing plate and antenna cap.

QwikFix threaded inserts are used for two distinct applications in precast concrete: (1) the attachment of permanent structural fixtures; and (2) the attachment of temporary braces and strongbacks.

### Composition

- QwikFix Threaded Inserts are manufactured from carbon steel and are available with a zinc plated or hot-dip galvanised coating.

### Supporting documentation

- Full product details are available in supporting technical documentation. See: QwikFoot and QwikFix Threaded Inserts Design Guide.  
Available from: <https://www.ancon.co.nz/products/precast-concrete-accessories/threaded-inserts>

### Product Identifier

- FER\_ \_ \_ \_ \_ , FERD\_ \_ \_ \_ \_

### Relevant Building Code clauses:

- Clause B1 Structure — B1.3.1, B1.3.2, B1.3.3, B1.3.4
- Clause B2 Durability — B2.3.1 (a)
- Clause F2 Hazardous Building Materials — F2.3.1

### Contributions to Compliance:

#### Clause B1 Structure

- NZS3101, Clause 17.5.7.2, requires cast-in fixings to be designed in accordance with the Concrete Capacity Design (CCD) method. QwikFix insert capacities calculated in accordance with the CCD method are presented in the supporting technical documentation.
- Temporary applications requiring inserts are designed using the Working Load Limit (WLL) method in accordance with the Good Practice Guidelines (GPG) of WorkSafe New Zealand's "Safe Work with Precast Concrete" (Oct 2018). The WLL of QwikFix inserts is presented in the supporting technical documentation.

#### Clause B2 Durability

- B2.3.1 (a).** QwikFix inserts will meet the provisions of B2.3.1(a) of not less than 50 years subject to placement, use and maintenance in accordance with the design and required durability assessment and consideration of the responsible engineer working to the appropriate design and environmental standards.

### Manufacturer and Importer Details:

<b>Place of Manufacture:</b>	Overseas
<b>Manufacturer:</b>	CRH Consulting (Shanghai) Co. Ltd.*  Unit 1001-5, Office Tower, Capital Square, No. 268 Hengtong Road, Jing'an District, Shanghai, China
<b>Manufacturer Phone:</b>	+86 21 5286 0599
<b>Importer Name:</b>	Leviat New Zealand Limited
<b>Importer Address:</b>	246D James Fletcher Drive, Otahuhu, Auckland, 2024
<b>Importer Website:</b>	<a href="http://www.leviat.com/en-nz">www.leviat.com/en-nz</a>
<b>Importer Email:</b>	<a href="mailto:info.nz@leviat.com">info.nz@leviat.com</a>
<b>Importer Phone:</b>	+64 9 276 2236
<b>Importer NZBN:</b>	9429031339056

\*CRH Consulting (Shanghai) Co. Ltd. oversee the supply of product manufactured in China to Leviat specifications.

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Clause F2 Hazardous Building Materials

- **F2.3.1.** QwikFix inserts meet the performance requirements under Clause F2.3.1.

### **Limitations on the use of the building product:**

- QwikFix inserts shall not be used to connect to steel reinforcing bars, including in wall-to-slab applications.
- Use of coated carbon steel inserts in exterior conditions or damp environments is the responsibility of the designer. Guidelines helpful to the preparation of the durability assessment necessary to the use of QwikFix inserts in environments subject to different conditions are presented in NZS 3101, Clause 3.13.

### **Design requirements to support appropriate use:**

- QwikFix Threaded Inserts shall be used subject to the specific engineering design of a Chartered Professional Engineer.

### **Installation requirements:**

- QwikFix inserts shall be installed by a competent contractor in accordance with Leviaat installation instructions and the specific engineering design and guidance of the designer. Installation guidelines are available in supporting technical documentation.
- See: QwikFix Threaded Inserts Installation Guide. Available from: <https://www.ancon.co.nz/products/precast-concrete-accessories/threaded-inserts>

### **Maintenance requirements:**

- Maintenance of QwikFix shall be in accordance with the design and durability assessment of the designer. Maintenance of QwikFix installed in interior, dry and protected environments will not normally be required during the expected life of the insert.

### **Warnings or ban:**

- This product is not subject to any warning or ban under section 26 of the Building Act 2004